1.地点信息存入数据库

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| --- | --- | --- | --- | --- | --- |
| 接口 | | saveLocationInfo | | | |
| 接口描述 | | 将地点信息存入数据库 | | | |
| 接口地址 | |  | | | |
| **Request body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| location\_info | json | |  |  |  |
| 样例 | | | | | |
| {“location\_info”:[  {“id”:1,  “loc\_id”:1，  “add”:”北京市东城区华龙街C座2层附近”,  “loclng”:”116.41354000451582”,  “loclat”:”39.917103071808434”,  “rad”:500  },{“id”:2,  “loc\_id”:2，  “add”:”北京市东城区附近”,  “loclng”:”116.41354000451582”,  “loclat”:”39.917103071808434”,  “rad”:0  },  ]  } | | | | | |
| **Response body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| resCode | String | |  | 返回码 |  |
| resMsg | String | | 256 | 返回说明 | 采用UTF-8编码 |
| {  "resCode":"0000",  "resMsg":"OK"  } | | | | | |

2.修改地点信息

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| --- | --- | --- | --- | --- | --- |
| 接口 | | editLocationInfo | | | |
| 接口描述 | | 修改地点信息并存入数据库 | | | |
| 接口地址 | |  | | | |
| **Request body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| id | int | |  |  |  |
| loc\_id | int | |  | 地点标号 |  |
| add | varchar | |  | 具体地址 |  |
| loclng | varchar | |  | 经度 |  |
| loclat | varchar | |  | 纬度 |  |
| rad | decimal | |  | 半径范围 |  |
| 样例 | | | | | |
| {“id”:1,  “loc\_id”:1，  “add”:”北京市东城区华龙街C座2层附近”,  “loclng”:”116.41354000451582”,  “loclat”:”39.917103071808434”,  “rad”:500  } | | | | | |
| **Response body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| resCode | String | |  | 返回码 |  |
| resMsg | String | | 256 | 返回说明 | 采用UTF-8编码 |
| {  "resCode":"0000",  "resMsg":"OK"  } | | | | | |

3.获取拓扑信息

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 接口 | | getTopology | | | |
| 接口描述 | | 获取拓扑信息（根据调整后的地图上的拓扑结构得到单独拓扑图的data和links，并存到数据库中） | | | |
| 接口地址 | |  | | | |
| **Request body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| device\_graph | Json | |  |  |  |
| 样例 | | | | | |
| {“decice\_graph”:[{  "device\_mapID": 0,  "device\_libID": "000",  "picurl": "http://localhost:8080/static/suggest\_deploy\_pic/baseStation.png",  "location": { "lng": 116.378847, "lat": 39.925182 },  "down\_connect\_mapID": [1, 2]  },{  "device\_mapID": 1,  "device\_libID": "001",  "picurl": "http://localhost:8080/static/suggest\_deploy\_pic/baseStation.png",  "location": { "lng": 116.391424, "lat": 39.924518 },  "down\_connect\_mapID": [2, 3]  }]  } | | | | | |
| **Response body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| data | json | |  | 拓扑图的节点 |  |
| links | json | |  | 拓扑图的连线 |  |
| 样例 | | | | | |
| { "data":[  {"name": "设备1","category": 0,"draggable": true},  {"name": "设备2","category": 0,"draggable": true},  {"name": "设备3","category": 0,"draggable": true},  {"name": "设备4","category": 0,"draggable": true},  {"name": "设备5","category": 0,"draggable": true},  {"name": "设备6","category": 0,"draggable": true},  {"name": "设备7","category": 0,"draggable": true}],  "links":[  {"source": 0,"target": 1,"category": 1},  {"source": 0,"target": 2,"category": 1},  {"source": 1,"target": 2,"category": 1},  {"source": 1,"target": 3,"category": 1},  {"source": 2,"target": 3,"category": 1},  {"source": 3,"target": 4,"category": 1},  {"source": 4,"target": 5,"category": 1},  {"source": 4,"target": 6,"category": 1},  {"source": 5,"target": 6,"category": 1}  ]  } | | | | | |

1. 获取静态设备信息

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| --- | --- | --- | --- | --- | --- |
| 接口 | | getDeviceInfo | | | |
| 接口描述 | | 获取静态设备信息 | | | |
| 接口地址 | |  | | | |
| **Request body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| device\_id | int | |  | 唯一识别设备标号 |  |
| 样例 | | | | | |
| {“decice\_id”:1  } | | | | | |
| **Response body** | | | | | |
| 参数名称 | 数据类型 | | 数据长度 | 说明 | 取值 |
| frequency | Varchar | |  | 频段范围 |  |
| rate | Varchar | |  | 发射功率 |  |
| bandwidth | Varchar | |  | 载波带宽 |  |
| distance | Varchar | |  | 传输距离 |  |
| weight | Varchar | |  | 重量 |  |
| temperature | Varchar | |  | 工作温度范围 |  |
| humidity | Varchar | |  | 工作湿度范围 |  |
| protectionLevel | Varchar | |  | 防护等级 |  |
| 样例 | | | | | |
| {  “frequency”:”3MHz～344MHz、542MHz～582MHz，可定制”,  “rate”:”2×2W”,  “bandwidth”:”10MHz(典型)，可定制”,  “distance”:”10km(LOS),2km(NLOS)”,  “weight”:”1kg”,  “temperature”:”-40℃～+65℃”,  “humidity”:”5%RH～100%RH”,  “protectionLevel”:”IP67”,  } | | | | | |